

To: McCoy, Erin[McCoy.Erin@epa.gov]
From: Williams, Mike
Sent: Wed 8/17/2016 5:57:35 PM
Subject: RE: Des Moines TCE Report Outline

Okay Erin. I'll look at it. Thanks.

Yes. We can talk after the risk assessment discussion tomorrow.

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From: McCoy, Erin [mailto:McCoy.Erin@epa.gov]
Sent: Wednesday, August 17, 2016 12:53 PM
To: Williams, Mike <Mike.Williams@tetrattech.com>
Subject: Des Moines TCE Report Outline

Mike, below is the preliminary outline that I was thinking. Please review and let me know if you have any ideas or suggested changes. We can discuss this on Thursday. Also, my meeting at 11 am tomorrow was cancelled, so if you want, we can just go over this after the risk assessment is done. Thanks!

Report Outline

1. Intro/Purpose – very brief to introduce site and what is the purpose of the work (1 page).
2. Background – Reference previous reports and build on that. No need to repeat stuff already presented (2-3 pages).
 - a. Figure 1 – Site location (Already complete)

b. Figure 2 – Site (Already complete)

3. Field work – What did we do? Analytical run? Don't talk about every sample. Give a general over view. Example – Soil samples were collected from every 5-foot interval to the water table; however, not enough media was present to analyze for every parameters. Therefore, analytical samples were collected in the following order until all samples were collected or not enough media was present to collect the next sample: VOC by SW-846 Method 8260, etc. Do this for each media, 1 paragraph per media. You can reference the COC in Appendix B and C for the actual list of analysis. No reason to recreate what is already in the COC, so no table (2-3 pages)

a. Figures 3-6 for sample locations (Already complete)

b. Appendix A – Boring Logs. No need to go into geology or have figures.

c. Appendix B – Building Samples(separated by media [wipes, material sampling, concrete) provided by lab. No additional work

d. Appendix C – SPA Samples (separate by water and sediment) provided by lab. No additional work

4. Results – Only talk about trends, not actual numbers. Go into detail about only things below. Example for text – All samples in building 1 do not qualify as hazardous material. Samples for Building 2 show that the west side of the concrete are hazardous material due to dioxin concentrations, etc. Maybe a little text to go into detail, but better if shown in a table as below (text 2-3 pages).

a. Building Samples and determine if it effects costs for building demo. If so, update (Appendix D).

i. Table X – Have a list of all samples, sorted by media (need to ID brick vs concrete vs pain, etc). Only include concentrations that cause the sample to be classified as hazardous material for disposal. Show chemical and concentrations, as well as regulatory number it was compared to. Note on table that says all other results were below concern.

Sample	Media	Depth (If applicable)	Chemical	Concentration	Regulatory Comparison	Hazardous Material
SB-12	Soil	Entire length of probe	All concentrations were below the regulatory comparisons.			No
SB15	Soil	0-5	Dioxin	X X/X	X X/X	Yes

b. SPA – State that the samples are in the Appendix and they are further evaluated in the risk assessment section.

5. Risk Assessment – Put updated risk assessment in Appendix (E) and reference (Appendix should be outlined as the previous risk assessment and should not repeat what is the original risk assessment. Should only note changes or numbers/assumptions used in risk assessment – so no long text). Include an overall final picture of the following:

a. Table with risks evaluated and assumed exposures or other assumptions.

b. Table with risks (acceptable not acceptable)

6. Remedial Options

i. Building – Discuss options for Building. Leaving in place verse demolishing. 9 criteria comparison.

ii. SPA – Include the 3 options with cost analysis. Go into general detail about where contamination is that needs remediated. We already know that the entire SPA has an unacceptable risk to eco, so all of it needs remediated. Just go into the 3 options – no action, excavation leaving pond, excavation with pond removal/fill in. 9 criteria comparison.

7. References

8. Appendices

a. A – Boring Logs

b. B – Analytical Data for Buildings – From the lab

c. C – Analytical data for SPA – From the lab

d. D – Updated demolition costs (if applicable)

e. E – Updated (not complete) risk assessment – Report within a report. Only updating old risk assessment, not a complete rewrite. As in, no reason to go into groundwater update since the last 5YR found it to be protective still and we didn't collect any samples to provide current conditions.

f. F – Any data necessary to support the remedial options evaluations (if applicable)



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